# Linux Command Practice - Submission

## 1. Creating and Renaming Files/Directories

Commands:

mkdir test\_dir  
cd test\_dir  
touch example.txt  
mv example.txt renamed\_example.txt

Explanation: Creates a directory, navigates into it, makes an empty file, then renames it.

## 2. Viewing File Contents

Commands:

cat /etc/passwd  
head -n 5 /etc/passwd  
tail -n 5 /etc/passwd

Explanation: Displays contents of /etc/passwd, shows first 5 lines, and last 5 lines.

## 3. Searching for Patterns

Commands:

grep "root" /etc/passwd

Explanation: Searches for all lines containing the word "root".

## 4. Zipping and Unzipping

Commands:

cd ..  
zip -r test\_dir.zip test\_dir  
unzip test\_dir.zip -d unzipped\_dir

Explanation: Compresses the directory and extracts it into a new folder.

## 5. Downloading Files

Commands:

wget https://example.com/sample.txt

Explanation: Downloads a file from the internet using wget.

## 6. Changing Permissions

Commands:

touch secure.txt  
chmod 444 secure.txt

Explanation: Creates a file and changes permissions to read-only for everyone.

## 7. Working with Environment Variables

Commands:

export MY\_VAR="Hello, Linux!"  
echo $MY\_VAR

Explanation: Sets an environment variable and displays its value.

## GitHub Submission Instructions

1. Create a new GitHub repository (e.g., linux-commands-practice).  
2. Clone the repository to your local machine.  
3. Place this .docx file in the repository folder.  
4. Run the following commands:  
 git add .  
 git commit -m "Added Linux commands practice document"  
 git push origin main  
5. Share the GitHub repository link along with your submission.

## Screenshots Section





